



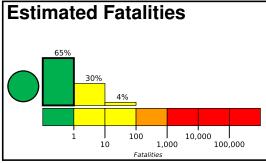


# **PAGER** Version 6

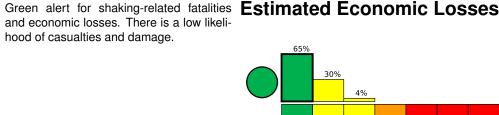
Created: 1 day, 1 hour after earthquake

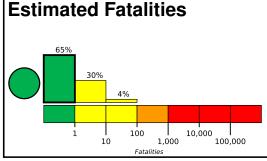
# M 4.3, 28km SE of Markleeville, CA

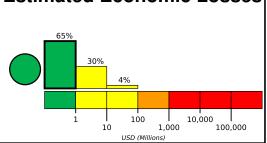
Origin Time: 2021-07-09 05:10:35 UTC (Thu 22:10:35 local) Location: 38.5427° N 119.5293° W Depth: 3.9 km



and economic losses. There is a low likeli-





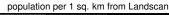


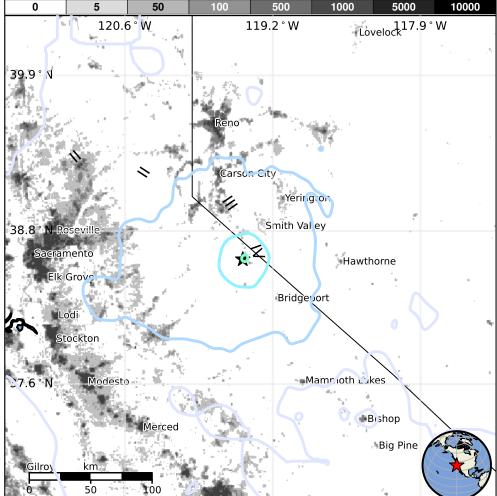
**Estimated Population Exposed to Earthquake Shaking** 

			•							
ESTIMATED POPULATION EXPOSURE (k=x1000)		346k*	6,093k	2k	0	0	0	0	0	0
ESTIMATEI MERCALLI	MODIFIED INTENSITY	I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

<sup>\*</sup>Estimated exposure only includes population within the map area.

## Population Exposure





#### PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

#### **Structures**

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

#### **Historical Earthquakes**

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
2003-12-22	352	6.6	VI(8k)	2
1980-01-24	213	5.8	VII(35k)	1
1989-10-18	253	6.9	VIII(109k)	62

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

### Selected City Exposure

from GeoNames.org

MMI	City	Population
Ш	Smith Valley	2k
Ш	Smith	1k
Ш	Bridgeport	1k
Ш	Arnold	4k
Ш	Gardnerville	6k
Ш	Minden	3k
Ш	Carson City	55k
II	Reno	225k
II	Sacramento	466k
II	Stockton	292k
II	Fresno	495k

bold cities appear on map.

(k = x1000)

Event ID: nc73585531